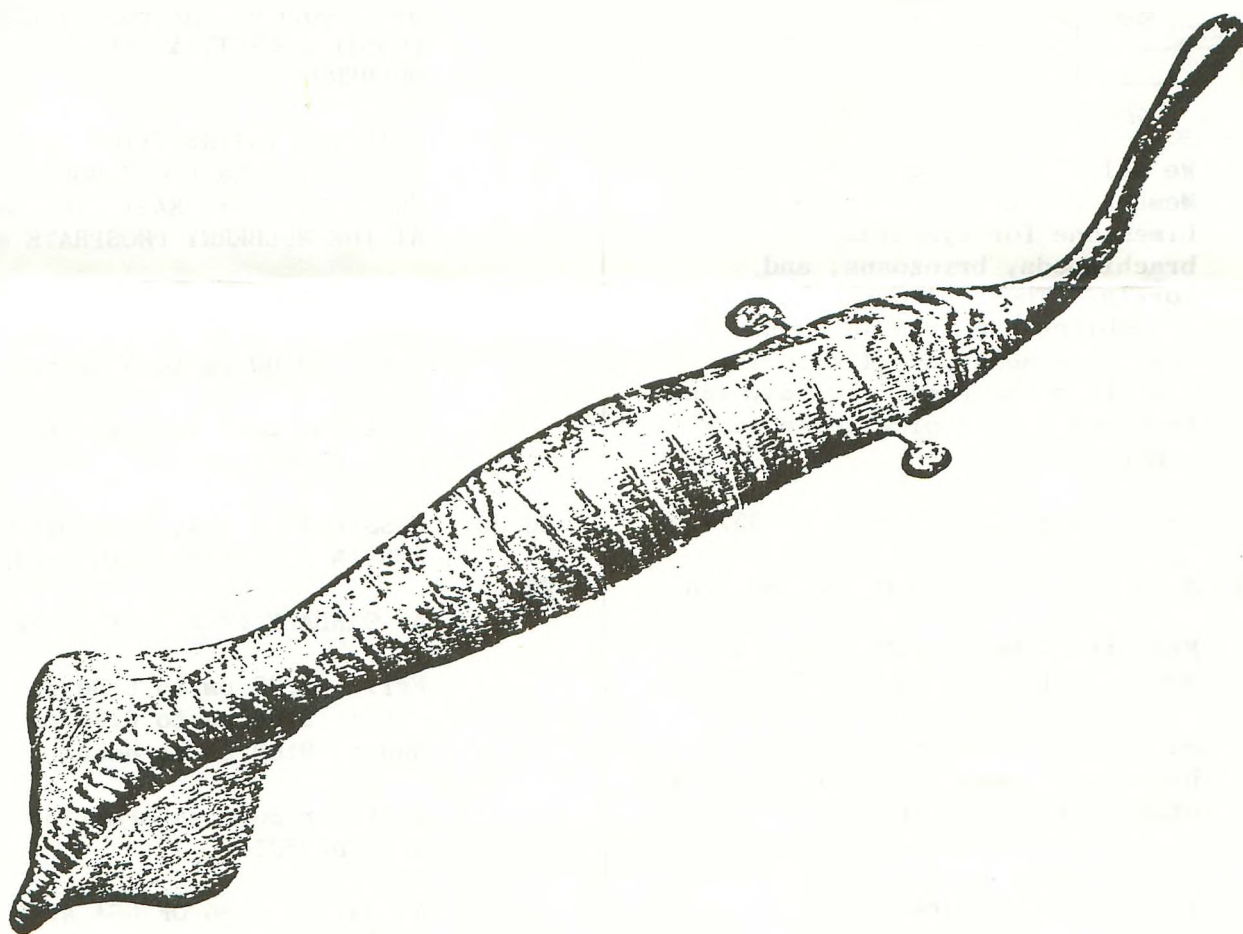


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 12 Number 5
May, 1989

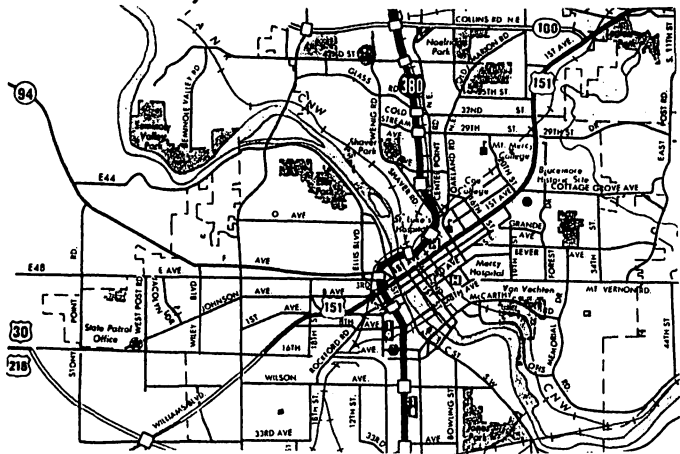


TULLYMONSTRUM gregarium

MARK YOUR CALENDARS

27 MAY MAPS FIELD TRIP TO PALO, IA

MEET AT 10:00 IN CEDAR RAPIDS AT KENNEDY HIGH SCHOOL PARKING LOT (4343 WENIG RD., N.E.) AT THE CORNER OF 42ND ST. N.E. AND WENIG ROAD, NEAR THE STOP LIGHT.



We will be hunting in the Rapid Member of the Cedar Valley Limestone for cystoids, brachiopods, bryozoans, and corals. There also may be a few trilobites and crinoid cups. The quarry is about a 1/4 mile level hike from the road. You may want to bring a hand pick and a sack lunch.

Host: Marv Houg 319-395-0577

28 MAY MAPS FIELD TRIP TO OSKALOOSA, IA

MEET AT 10:00 AT THE KING LEAR MOTEL NORTH OF TOWN ON HWY. 63.

We will be hunting for little blastoids, possibly trilobites, and other *little* specimens.

Contact Doug DeRosear 319-835-5521 for further information.

9 JUNE LAWRENCE COUNTY ROCK CLUB ROCK
10 SWAP. 4-H FAIRGROUNDS, BEDFORD, IN
11 IN.

U.S. HWY. 50. 7/10 MILE WEST OF JUNCTIONS 37 AND 50 SOUTH OF BEDFORD.

MAPS meeting 2:30 Saturday.

8 OCT MAPS FIELD TRIP TO LONE STAR QUARRY, OGLESBY, IL

MEET AT 9:00 AT STARVED ROCK GATE MOTEL OFF I-80 & RT. 178 AT UTICA.

We will be hunting in Pennsylvanian material for brachiopods, pelecypods, coral, & fish remains (teeth & crusher plates).

HOST: Chuck Styles 815-433-9436

20 OCT 6TH ANNUAL FLORIDA FOSSIL FAIR,
21 SPONSORED BY THE BONE VALLEY
22 FOSSIL SOCIETY & THE CITY OF
MULBERRY

NEAR THE INTERSECTION OF HWY 60 & S.R. 37. ONE BLOCK SOUTH OF HWY 60 ON S.R. 37, EAST SIDE CORNER AT THE MULBERRY PHOSPHATE MUSEUM.

Fri.: 9:00 am to 5:00 pm

Sat.: 9:00 am to 5:00 pm

Sun.: 9:00 am to 3:00 pm

Look for more information in the next DIGEST.

20 OCT FOSSILMANIA VII, SPONSORED BY THE
21 AUSTIN & DALLAS PALEO SOCIETIES.
22

AT OAKDALE PARK, GLEN ROSE, TX.

Fri.: 1:00 pm to 6:00 pm

Sat.: 9:00 am to 6:00 pm

Sun.: 9:00 am to noon

Look for more information in the next DIGEST.

6 NOV ANNUAL MEETING OF GSA AT ST.
7 LOUIS, MO.
8

9 CONTACT: Vanessa George, GSA, Box 9140, Boulder, OH 80301

Paleontological Society sponsored Short Course on Dinosaurs on Sun., Nov. 5. No registration fee for the course; book fee usually about \$12.50.

ABOUT THE COVER

This month's cover illustration from "Bulletin Field Museum of Natural History" is of a model of the Tully Monster and was sent by Jim and Sylvia Konecny, Prescott, AZ. They write: "For many years this life-sized plaster model of *Tullimonstrum gregarium* adorned Eugene S. Richardson,

Jr.'s desk at the Field Museum in Chicago. It was constructed by Dr. Tibor Perenyi and is approximately 12" long."

See story about the naming of the Tully Monster on pp. 3-4.

EXPO XI--MAMMALS

EXPO XI was another huge show with people in attendance from at least 27 states, Germany, Italy, and Canada. We had more tables rented this year than ever before, lots of terrific exhibits, and of course lots of camaraderie.

Pete Larson, from the Black Hills Institute, South Dakota, spoke after the show Friday night about his experiences recovering fossil whales in Peru. He has an article on the topic in the *EXPO Digest*.

Saturday afternoon featured a premier showing of a fossil film aimed at school children and produced by MAPS member Ron Meyer, Boulder, Colorado. Saturday evening, plaques were presented to Karl Stuekerjuergen, immediate past president, and Tom & Peggy Walsh, recipients of this year's Don Good award. Immediately following the awards presentations was an evening of fun at the live auction, with Denny Kingery and Jim Konecny presiding as the alternating auctioneers. We were entertained with some high (and low) stakes bidding wars both among adults and among children.

Again this year Tony Verdi convinced the Post Office to offer a commemorative postal cancel at the show. We mailed the *EXPO Digests* from the show so those of you who were unable to attend received the special cancel on your envelopes. Gary Lane had a table at the show with publications from the Paleontological Society, and anyone who was interested was able to enroll in the Society.

We saw lots of old friends and made many new ones. EXPO is not only a time to buy, sell, and/or trade fossils; it's also a time to share good times with a lot of interesting people. Hope you can make it next year!

MAPS BADGES AVAILABLE

MAPS name badges are available once again. The badge has a blue background with a white logo and your name, city, and state.

To order a badge send the NAME, CITY, and STATE that you want to appear on your badge along with your complete address and a check for \$5.25 (includes postage) to:

R.V. Printery
1320 5 Ave.
Moline, IL 61265

TAPE PROGRAMS AVAILABLE

Gil Norris has put together five VHS tape programs which were first released at EXPO X and are still available by mail order. Each program comes with a study guide. The programs available are:

Arthropods & Crustaceans.....34 min
Brachiopods, Bryozoans, Sponges...44 min
Cephalopods & Mollusks.....55 min
Echinoids.....48 min
The Fossil Story & WY Stone Fish..48 min
(designed for 6th graders)

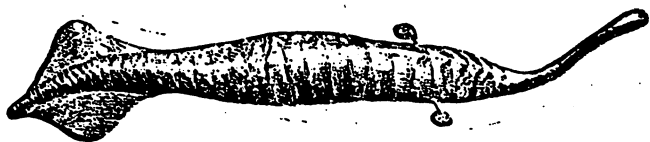
The programs may be ordered as stated on separate tapes; or any combination of programs up to a total of 2 hours long may be ordered on one tape. The price is \$20 per program for each program ordered on a separate tape. If you want more than one program on one tape, the price is \$20 for the first program and \$15 for each additional program on that tape. Add \$2 per tape for postage. Make checks payable to MAPS and send to:

Gil Norris
2623 34th Avenue Ct.
Rock Island, IL 61201

PLEASE USE THE ORDER FORM (or a reasonable facsimile of it) FOUND ON PAGE 8.

THE NAMING OF THE TULLY MONSTER

by Jim & Sylvia Konecny
3036 Geronimo Road, Prescott, AZ



We have heard many queries concerning the naming of the Tully monster. Having been present at the time the Tully monster received its name we feel qualified to comment on this subject.

There are no doubt some readers unfamiliar with this strange beastie; therefore, we make a short description. It has an elephant-like proboscis that terminates with a toothed claw. The eyes are somewhat diamond shaped. There are no other appendages. Some specimens show apparent segmentation; however, it is unclear whether these are actual segments or merely wrinkles or folds. See accompanying illustrations.*

In the original description,¹ plus a subsequent paper,² it was placed in Phylum: indeterminate -- Class: indeterminate. However, since then one author has placed it in Phylum: Mollusca--Class: Gastropoda, determining that it is a shell-less planktic gastropod.³ We personally have not heard on of anyone else agreeing with that assessment. There are numerous other unpublished speculations. However, the Tully monster still remains an enigma. Its range is very restricted, having been found only in ironstone concretions of the Francis Creek Shale Member of the Carbondale Formation, and it appears in only three locations--Pit 11 near Essex, Chowder Flats at Morris, and Sunspot Mine near Astoria. All are in Illinois. The most notable is Pit 11.

In the late 1950's and early 1960's members of the Earth Science Club of Northern Illinois (ESCONI) as well as other amateur collectors made frequent trips to the Field Museum of Natural History (Chicago) to have George Langford, Curator of Fossil Plants, help in identifying specimens that were found in the Mazon Creek Area. Among these

collectors was a gentleman named Francis Tully. However, instead of the usual plant material, he was bringing in various forms of animal life from a secret location in the strip mine hills. Among the shrimps, worms, etc., was a strange-looking creature. This unusual animal aroused the curiosity of Dr. Eugene S. Richardson, Jr., Curator of Invertebrate Fossils, whose office adjoined George Langford's. Francis Tully was requested to bring more specimens for study, to which he obliged. Dr. Richardson showed the specimens to many of his colleagues, none of whom was able to identify this unique animal.

On one of our visits to the Field Museum to retrieve a loaned specimen from Dr. Richardson, he inquired if we had seen any of these strange creatures. Since we had not, he offered to show us some specimens that were laid out on a table in George Langford's office. While we were viewing the specimens, Dr. Rainer Zangerl, Geology Department Head, walked into the office in search of Dr. Richardson. Seeing us viewing the specimens he exclaimed, "Are those some more of Tully's monsters?" The name stuck and Richardson utilized it to the fullest. After all, the thought of monsters evokes much attention. In naming this creature, Dr. Richardson wanted to retain the name Tully monster; therefore, he Latinized it, calling it *Tullimonstrum gregarium*--*gregarium* meaning common. This was Richardson's way of chiding his colleagues that this rare, unusual fossil is plentiful in his own back yard.⁴

Subsequently it was determined that Mr. Tully's location was a private club adjacent to Peabody Coal Company's Pit 11. Since the spoil heaps of these two locations were contiguous and Pit 11 was open to collectors, the monster search began.

(Right) This middle Pennsylvanian underwater scene of Pit 11 shows Tully monsters along with shrimps, fish, and jellyfish. It was drawn by Eugene S. Richardson, Jr.



REFERENCES AND NOTE

- 1 Richardson, Eugene S., Jr. 1966 Wormlike fossil from the Pennsylvanian of Illinois. *Science*, vol. 161, no. 3706.
 - 2 Johnson, Ralph Gordon and Eugene S. Richardson, Jr. 1969. The morphology and affinities of *Tullimonstrum*. *Fieldiana: Geology*, vol. 12, no.8.
 - 3 Foster, Merrill W. 1979. A reappraisal of *Tullimonstrum gregarium*. *Mazon Creek Fossils*, Matthew H. Nitecki, Ed.
 - 4 Richardson, Eugene S., Jr. 1966 Personal communication.
- * The two illustrations are taken from "Bulletin Field Museum of Natural History" vol. 37, no. 7 July 1966.

FOSSIL HUNTING IN THE JUDITH RIVER FORMATION ALONG THE UPPER MISSOURI RIVER

by G.L. "Buckie" Damone, R.R. 1, Box 1702, Lewistown, MT 59457

I stared at the ground intently. I was on my hands and knees looking as closely as I could for any bit of fossil material. The cold December wind cut through my heavy winter Army jacket. Dust swirled up into my eyes, making it hard for me to focus them. I just had to find one more good fossil before nightfall. Then, suddenly, it was in front of me, a small yellowish tooth. When I blinked to make sure that it was really there, the dust in my eyes felt like shards of glass. I moved my freezing hand toward the tooth and painfully picked it up with aching fingers. I closely examined the tooth and saw it was a premaxillary tooth of an *Albertosaurus*. I smiled as I dropped it into my small collection box.

I do not usually collect fossils in December, but there was no snow cover then, and I had fossil fever, which is common for me. I had not discovered the area until late August and returned to it just about every weekend until that last December day. When I speak of "the area," I mean a ranch of several square miles, north of Winifred, Montana. The main formation on the ranch is the Judith River Formation, which was a late Cretaceous (72 million years old) estuary environment. Dinosaur and other fossils are abundant in the formation. There is also on the ranch Clagget Shale, (80 million years old), which was an ancient ocean bed. I have found some small sharks' teeth in this formation. The Judith River Formation interests me the most though.

There are many types of fossils from the Judith River Formation. The most interesting to me are the dinosaur fossils. The most abundant are teeth. The bones from the formation are very poorly preserved and are often broken beyond recognition. Almost every specimen was worn by water before being fossilized, also. The teeth, though, are enough to keep me happy. Most of the teeth are from duck-billed and horned dinosaurs. The two types are both usually fragmentary and hard to tell apart. I have found some nice, fairly complete teeth, though. My friend and collecting partner, Peter Pratt, found the best hadrosaur teeth of the short season.

The next most abundant type of dinosaur teeth are from armored dinosaurs. Peter and I apply the generic name of *Ankylosaur* to these teeth, even though they are probably not that species. They are small and black, which makes them hard to find.

Another kind of tooth is from a carnivorous dinosaur, most probably *Albertosaurus*. Three of the teeth I found exceed 1 1/2 inches. My largest measures about 2 3/4 inches. This is fairly rare for the formation. Peter had a good discovery, also, when he found a tooth that we assume to be from one of the bone-headed dinosaurs, *Stegaceras*. I also found a tooth that was different than any others we found. I believe it is a *Hypsilophodontid* tooth.

Peter and I have also found various fragments of identifiable bones. We both have found pieces of hadrosaur jaws. I found hadrosaur vertebrae and neural spines from these vertebrae. Peter found a bird-mimic dinosaur's claw and the two finger bones behind it.

There are many non-dinosaur fossils in the Judith River Formation, also. Crocodile fossils are common. I have found teeth, bone fragments and scutes (bony armor) from these animals. The teeth do not usually exceed 1/2 inch because the animals were, on the average, probably eight feet long. Vertebrae from large extinct lizards named *Champsosaurus* are very common in the formation. I also found several other fragmentary bones from this type of animal. Gar fish scales are very abundant in the formation. Fragments of turtle shell are often as numerous as the gar scales. It is hard to find a complete shell, but some have been found. Sharks' teeth are also in the formation, but I have only found two in it to date. There are also *Plesiosaur* bones, which I have not yet found in the formation.

The area mentioned above is along the Missouri River and is mostly badlands. These badlands are very steep and tall, sometimes reaching 600 feet in height. The ruggedness of the area makes fossil collecting difficult physically, but the

(CONTINUED ON P. 8)

Please ADD the Following NEW MEMBERS to Your Directory:

John Ashburn, Jr.
95 Quail Hollow
Naperville, IL 60540
312-983-5503

Attorney. Will trade. Major interest trilobites & vertebrates.

Leonard Baglia
5900 Wilma St
Durham, NC 27712

Computer Project Leader. Will trade.

William Sims Bainbridge, PhD.
1319 E. Washington
Bloomington, IL 61701
309-829-3887

University Professor. Major interest Mazon Creek, IL, area fossils. (Morris to Braidwood).

Steve Baumeister
P.O. Box 2322
Lancaster, PA 17603-2322

Jeff Bolinger
805 Eaglewood Dr.
Zionsville, IN 46077
317-873-2908

Landscape Architect. Will trade. Major interest vertebrates. Has for trade shell material/Clavert Cliffs, MD. Has been interested in fossils since 1969.

Leonard Boyer
61-38 150th St.
Flushing, NY 11367
718-463-7942

Retired high school principal (English major). Interested in all periods of fossils, especially Devonian, Carboniferous, and Permian/Triassic. Member of NY Paleontological Society, NY, NY.

Gary D. Chilson
19 Blue Ridge Trail
Rochester, NY 14624
716-247-0723

Interested in trilobites. Will trade.

Donna Clearman
50109 Eagle Trace Dr.
Georgetown, TX 78626
512-251-2408

Accountant. Member Central Texas Paleo. Club.

Earl & Joanne Cline
602 Granada Drive
Prescott, AZ 86301
602-445-1719

Retired. Will trade. Collecting since 1965. Interested in all fossils. Member S. Calif. Paleo. Soc., Los Angeles, CA. Want to learn more about fossils and enjoy the fellowship of other collectors.

Joe & Anita Collins
24405 Beech Rd.
Southfield, MI 48034
471-0760

Store owner-jeweler. Will trade. Major interest fossil skulls. Has for trade mesosaur.

Mark A. Cowles
514 Aberdeen Way
Howell, MI 48843
517-546-5241

Middle School Teacher. Will not trade. Major interest learning more and disciplining his longtime casual interest.

Michael R. Crownover
2807 Gillham, 2 So.
Kansas City, MO 64108
816-756-0915

Artist. Will trade. Major interest Plants, vertebrates (everything). Has for trade Penn. plants, some vertebrates, brachiopods, cephalopods. Wants to make contacts, have fun, & expand his collection.

NEW MEMBERS (CONTINUED)

Patricia A. Cundiff
4611 S. Allen Rd.
Allen, MI 49227
517-869-2430

Retired. Will trade. Major interest fossil shells.
Has for trade fossil shells.

EASTERN MISSOURI SOCIETY
FOR PALEONTOLOGY
10611 Jesskamp Dr.
Ferguson, MO 63136
314-867-8392

B & D Enterprises
Wm., Deborah Koch & Daughters
602 Gemblor Rd. Lot P-10
San Antonio, TX 78219
512-223-3343

Outside supervisor (campground)/self-employed. Will trade. Want to meet interesting fossil collectors and get involved with collecting in the Midwest. Got enthused collecting cretaceous fossils Coral & Bandara Co., esp. *Salenia texana* echinoids with Tom & Cathy Witherspoon the past 2 years.

Robert & Paulette Frederick
P.O. Box 411 So.
St. Paul, MN 55075
612-450-0599

Roofing. Interested in all fossils.

Jim Hagerstrom
P.O. Box 1408
Concord, MA 01742
508-369-0137

Lab Technician. Will not trade. Member of New England Paleontological Soc., Barre, MA. Is very interested in paleontology & natural history.

Dorothy Hall
4219 West Alabama
Houston, TX 77027

Mike & Melody Harrell
P.O. Box 661
Spring, TX 77383
713-353-5068

Antique & Fossil Dealer. Will trade. Major interest vertebrates, echinoids, cones, etc. Have for trade Del Rio clay fossils, Eocene Texas crabs, mammoth teeth. Vice President of Houston Paleo. Soc. Says MAPS is a great Society.

Michael Henderson
737 N. Main
Rockford, IL 61103
815-965-3132

Museum Collection Manager. Major interest Mazon Creek fossils.

John Hochreiter
725 Beaumont Rd.
Fairless Hills, PA 19030
215-943-4791

Roy Holt
300 N.E. Keystone
Lee's Summit, MO 64063
816-524-5546

Paul Hutchinson
#AK-7, Edgewater Manor Apts.
Edgewater Park, NJ 08010
609-877-3079

Joseph N. Johnson
308 North Franklin
Plymouth, IL 62367
309-458-6206

Will trade. Major interest corals of Illinois.

NEW MEMBERS (CONTINUED)

Marcia & Skip Kincaid & Fam.
711 North Main St.
Eureka, IL 61530
309-467-4969

Artist-Sculptor. Will trade. Interested in trilobites. Have for trade Brachs. Just moved to MAPS area.

Peter L. Larson
217 Main, P.O. Box 643
Hill City, SD 57745
605-574-4280

Geologist--Pres. Black Hills Institute. Will trade. Major interest White River (Oligocene) mammals, Cret. ammonites, Cret. vertebrates. Has for trade all of the above.

Mrs. Bonnie J. McCash
R. 3, Box 271
Casey, IL 62420
217-932-4461

Certified Nurse Aide. Will trade. Major interest shells. Has for trade fossil shells from Florida, various sites. Wants to meet others with similar interests.

Steven Thomas Miller
213 Mulberry Dr.
Summerville, SC 29483
803-871-3333

Major interest Pleistocene mammal material and any other interesting vertebrate fossils. Has for trade many types of sharks' teeth. Member of Myrtle Beach Fossil Club, SC. Heard about MAPS from Vance Macullum.

Charles Moldenhauer
& Francesca Eveland
2473 Washington Rd, Apt #B
Washington, IL 61571
309-694-1031

Electronic Technician. Interested in trilobites.

Timothy J. Northcutt
1814 S. 32nd St.
Kansas City, KS 66106
913-432-2341

Graphic Artist. Will trade. Has for trade Penn. plants, Muncie Creek nodules. Wants to gain contacts with others interested in collecting and trading fossils.

Michael Reagin
3862 Dunwoody Dr.
Pensacola, FL 32503
904-435-9348

Microbiologist. Will trade. Major interest Cretaceous & Tertiary bivalves, gastropods, corals, & echinoids. Has for trade Cretaceous bivalves, Tertiary bivalves, gastropods, & corals.

Eugene W. Rush
6516 No. Mans Rd.
Middletown, OH 45042

Former member.

Tim & Margaret Sheffler
R.R. #1, Box 172
Alexandria, MO 63430
816-754-6443

Welder. Will trade. Major interest Mississippi fish, crinoids, conularias, trilobites.

David Starr
6424 129th Ave., SE
Bellevue WA 98006
206-641-5316

Interested in marine invertebrates of Upper Cretaceous and Tertiary age. Wants to get to know other collectors.

Jeffrey P. Tanking
2557 Redbud #1
Lawrence, KS 66046
913-843-1239

Self-employed. Will trade. Interested in Kansas Cretaceous. Wants to maintain interest in fossils & learn of fossils from other areas.

Roger Waterhouse
Rt. 2, Box 279
Rogersville, MO 65742
417-886-1390

Const. Supervisor. Will trade. Major interest trilobites--Devonian & Miss. fauna.

NEW MEMBERS (CONTINUED)

Mary & Richard Wells
35 Edgemoor Terr.
Davenport, IA 52803

Old member who got lost in the computer. Collecting since 1977.

Thomas C. Williams
11 E. Copper Dr.
Plainfield, IL 60544
815-436-3425

High school teacher. Will trade. Major interest crinoids. Has for trade crinoids, Mazon Creek.

Nate Winans
1010 Water St.
Eaton Rapids, MI 48827
517-663-4612

Student. Will trade. Major interest all arthropods, all vertebrates, esp. fishes, reptiles, amphibians. Has for trade Phareodus specimen, Carcharodon Megalodon teeth, a few trilobites. Wants to expand collection and knowledge of the long distant past.

Andrew Robert Milner
355 Route 117
Piedmont, QUEBEC J0R 1K0
CANADA

Student (Geology). Will trade. Major interest Paleozoic fishes & amphibians. Has for trade fish, trilobites, crinoids. Member of the Society of Vertebrate Paleontology. Is interested in shows and meeting new people.

Roland & Carin Kirsten
Forchenweg 14
D 7900 Ulm-Jungingen
WEST GERMANY

Engineer. Collecting since 1977. Will trade. Has fossils from West Germany and France. Interested in all kinds of fossils.

Please Note the Following CHANGES OF ADDRESS and CORRECTIONS.

Polly & Max Borden
c/o TRA #1594 6110
Pleasant Ridge Rd.
Arlington, TX 76016

Glen J. Kuban
14139 Pine Forest Dr. Apt. 310
North Royalton, OH 44133

James Brubaker
2533 31st Ave., Apt. 204
Rock Island, IL 61201

William F. McComas
830 W. Marshall St.
Norristown, PA 19403
215-272-5473

David Cassel
685-8709

Gerhard G. H. Muehle
11538 N. Eagle Peak Drive
Tucson, AZ 85737

William J. DiBrino
958 S. Military Tr., Suite 72
West Palm Beach, FL 33415

Nash Dinosaur Land
C.S. Nash
Amherst Road
South Hadley, MA 01075

Dr. Robert Fendrich
P.O. Box 252
East Thetford, VT 05043

Jeff Nelson
Box 213
Ocoee, FL 32761
Dealer--Florida & Moroccan material.

Ronald Garney
423-549-1351

Lawrence A. Gilbert
42 Nicholson Court
Dayton, OH 45459
513-274-1232

David M. Tanking
1900 W. 31st, Lot V18
Lawrence, KS 66046

Richard Heimlich
30321 Northgate
Southfield, MI 48076
313-647-9076

JUDITH RIVER (cont. from p. 5)

large eroded areas let very much material be exposed. The places that Peter and I found produce the most fossils are what we call terraces. A terrace is just a narrow flattened area along a steep slope. The fossils from above the terrace wash down and get caught on the terrace. Terraces are not usually easy to get to. A fossil collector needs to either be brave or know a little about mountain climbing to climb down to the right level that a terrace is on. In the really steep areas it is usually impossible to climb up to a likely looking spot, so the collector almost always has to descend from above to the terrace. The Judith River Formation is made mostly of loose freshwater shale that provides little traction. For this reason one must be sure of his footing. Common sense, though, is the best policy. Many times I have not used common sense and almost slid and fell many hundred feet. The Judith River Formation is not all as steep as I have described above. There are many miles of gentle hills that are eroded, but they do not expose as many fossils as the steep badlands do.

I am interested in all types of fossils, but my collection is limited to mainly Montana fossils. Since I am 17 years old, I am unable to collect in other areas but am interested in trading.

ADVERTISING SECTION

Ads are \$3.50 per inch (6 lines x 1 column--43 spaces). Send information and checks payable to MAPS to: Mrs. Gerry Norris, 2623 34th Avenue Ct., Rock Island, IL 61201. Phone: (309) 786-6505. This space is a \$3.50 size.

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1989

SHOW SCHEDULE

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Sheridan, WY	June 23-25
Cortez, CO	July 8-9
Durango, CO	July 14-16
Colorado Springs, CO	July 22-23
Buena Vista, CO	August 11-13
Grand Junction, CO	August 18-20
Canby, OR	September 2-4
Denver, CO	September 13-17
Walla Walla, WA	October 6-8

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New Meadows, Idaho 83654

THE SUMMER DIGEST WILL COME OUT NEAR THE
END OF JUNE

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3. Cephalopods & Mollusks... (55)
4. Echinoids.....(48)
5. The Fossil Story & WY... (48)
Stone Fish (for 6th graders)

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Rock Island, IL 61201

The Mid-America Paleontology Society (MAPS) was formed to promote popular interest in the subject of paleontology; to encourage the proper collecting, study, preparation, and display of fossil material; and to assist other individuals, groups, and institutions interested in the various aspects of paleontology. It is a non-profit society incorporated under the laws of the State of Iowa.

Membership in MAPS is open to anyone, anywhere who is sincerely interested in fossils and the aims of the Society.

Membership fee: One year from month of payment is \$10.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$10.00 with Surface Mailing of DIGESTS OR \$25.00 with Air Mailing of DIGESTS.

MAPS meetings are held on the 1st Saturday of each month (2nd Saturday if inclement weather). October & May meetings are scheduled field trips. The June meeting is in conjunction with the Bedford, Indiana, Swap. A picnic is held in August. November through April meetings are scheduled for 2 p.m. in the Science Building, Augustana College, Rock Island, Illinois. One annual International Fossil Exposition is held in the Spring.

MAPS official publication, MAPS DIGEST, is published 9 months of the year--October through June.

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